OIPE #1

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/766,535A

CRF Processing Date: 1/17/2002

Edited by:

Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: deleted duplicate C1107 and C1207 entries

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 01/17/2002
PATENT APPLICATION: **US/09/766,535A** TIME: 08:58:14

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01172002\I766535A.raw**

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 4 <110> APPLICANT: Le, Junming
 5       Vilcek, Jan
 6       Daddona, Peter
 7       Ghrayeb, John
 8       Knight, David M.
 9       Siegel, Scott
11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
12       Human Tumor Necrosis Factor
14 <130> FILE REFERENCE: 0975.1005-010
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/766,535A
17 <141> CURRENT FILING DATE: 2001-01-18
19 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
20 <151> PRIOR FILING DATE: 1998-08-12
22 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
23 <151> PRIOR FILING DATE: 1995-12-11
25 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
26 <151> PRIOR FILING DATE: 1994-10-18
28 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
29 <151> PRIOR FILING DATE: 1994-02-04
31 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
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34 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
35 <151> PRIOR FILING DATE: 1994-02-04
37 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
38 <151> PRIOR FILING DATE: 1993-01-29
40 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
41 <151> PRIOR FILING DATE: 1993-02-02
43 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
44 <151> PRIOR FILING DATE: 1992-09-11
46 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
47 <151> PRIOR FILING DATE: 1992-03-18
49 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
50 <151> PRIOR FILING DATE: 1991-03-18
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56 <210> SEQ ID NO: 1
57 <211> LENGTH: 157
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
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64 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
65             20                  25                  30
66 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
67         35                  40                  45
68 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
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RAW SEQUENCE LISTING DATE: 01/17/2002
PATENT APPLICATION: US/09/766,535A TIME: 08:58:14

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01172002\I766535A.raw

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70 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
71 65                  70                  75                  80
72 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
73                 85                  90                  95
74 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
75             100                 105                 110
76 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
77         115                 120                 125
78 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
79     130                 135                 140
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81 145                 150                 155
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85 <211> LENGTH: 321
86 <212> TYPE: DNA
87 <213> ORGANISM: Mus Balb/c
89 <220> FEATURE:
90 <221> NAME/KEY: CDS
91 <222> LOCATION: (1)...(321)
93 <400> SEQUENCE: 2
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95 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
96  1               5                  10                  15
98 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
99 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
100             20                  25                  30
102 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
103 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
104         35                  40                  45
106 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
107 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
108     50                  55                  60
110 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
111 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
112  65                  70                  75                  80
114 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
115 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
116                 85                  90                  95
118 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa                      321
119 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
120             100                 105
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 107
125 <212> TYPE: PRT
126 <213> ORGANISM: Mus Balb/c
128 <400> SEQUENCE: 3
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130  1               5                  10                  15
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RAW SEQUENCE LISTING DATE: 01/17/2002
PATENT APPLICATION: US/09/766,535A TIME: 08:58:14

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01172002\I766535A.raw

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131 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
132             20                  25                  30
133 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
134         35                  40                  45
135 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
136     50                  55                  60
137 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
138 65                  70                  75                  80
139 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
140                 85                  90                  95
141 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
142             100                 105
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146 <211> LENGTH: 357
147 <212> TYPE: DNA
148 <213> ORGANISM: Mus Balb/c
150 <220> FEATURE:
151 <221> NAME/KEY: CDS
152 <222> LOCATION: (1)...(357)
154 <400> SEQUENCE: 4
155 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga   48
156 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
157  1               5                  10                  15
159 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac   96
160 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
161              20                  25                  30
163 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt   144
164 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
165          35                  40                  45
167 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag   192
168 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
169      50                  55                  60
171 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct   240
172 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
173  65                  70                  75                  80
176 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat   288
177 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
178                  85                  90                  95
180 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa   336
181 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
182             100                 105                 110
184 ggc acc act ctc aca gtc tcc                                     357
185 Gly Thr Thr Leu Thr Val Ser
186         115
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190 <211> LENGTH: 119
191 <212> TYPE: PRT
192 <213> ORGANISM: Mus Balb/c
194 <400> SEQUENCE: 5
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196  1               5                  10                  15
197 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
198             20                  25                  30
199 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
200         35                  40                  45
201 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
202     50                  55                  60
203 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
204 65                  70                  75                  80
205 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
206                 85                  90                  95
207 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
208             100                 105                 110
209 Gly Thr Thr Leu Thr Val Ser
210         115
213 <210> SEQ ID NO: 6
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 6
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220  1               5
223 <210> SEQ ID NO: 7
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
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229 Gly Thr Lys Leu Glu Ile Lys
230  1               5
233 <210> SEQ ID NO: 8
234 <211> LENGTH: 20
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: PCR oligonucleotides
242 <400> SEQUENCE: 8
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246 <211> LENGTH: 27
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides
254 <400> SEQUENCE: 9
255 cctggtacct tagtcaccgt ctcctca                                      27
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258 <211> LENGTH: 27
259 <212> TYPE: DNA
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RAW SEQUENCE LISTING DATE: 01/17/2002
PATENT APPLICATION: US/09/766,535A TIME: 08:58:14

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01172002\I766535A.raw

260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR oligonucleotides
266 <400> SEQUENCE: 10
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270 <211> LENGTH: 21
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR oligonucleotides
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281 <210> SEQ ID NO: 12
282 <211> LENGTH: 16
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR oligonucleotides
290 <400> SEQUENCE: 12
291 ggcggtctgg taccgg 16
293 <210> SEQ ID NO: 13
294 <211> LENGTH: 19
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR oligonucleotides
302 <400> SEQUENCE: 13
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305 <210> SEQ ID NO: 14
306 <211> LENGTH: 23
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR oligonucleotides
314 <400> SEQUENCE: 14
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317 <210> SEQ ID NO: 15
318 <211> LENGTH: 18
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
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323 <223> OTHER INFORMATION: PCR oligonucleotides
327 <400> SEQUENCE: 15
328 aatctggggt aggcacaa 18
330 <210> SEQ ID NO: 16
331 <211> LENGTH: 17
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY DATE: 01/17/2002
PATENT APPLICATION: US/09/766,535A TIME: 08:58:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01172002\I766535A.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number

OIPE

RAW SEQUENCE LISTING DATE: 01/11/2002
PATENT APPLICATION: US/09/766,535A TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\01112002\I766535A.raw

Does Not Comply
Corrected Diskette Needed

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     4 <110> APPLICANT: Le, Junming
     5       Vilcek, Jan
     6       Daddona, Peter
     7       Ghrayeb, John
     8       Knight, David M.
     9       Siegel, Scott
    11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
    12       Human Tumor Necrosis Factor
W--> 15 <110> APPLICANT: Junming Le
W--> 18 <110> APPLICANT: Junming Le
W--> 22 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
W--> 23       Human Tumor Necrosis Factor
    26 <130> FILE REFERENCE: 0975.1005-010
C--> 28 <140> CURRENT APPLICATION NUMBER: US/09/766,535A
    29 <141> CURRENT FILING DATE: 2001-01-18
    31 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
    32 <151> PRIOR FILING DATE: 1998-08-12
    34 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
    35 <151> PRIOR FILING DATE: 1995-12-11
    37 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
    38 <151> PRIOR FILING DATE: 1994-10-18
    40 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
    41 <151> PRIOR FILING DATE: 1994-02-04
    43 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
    44 <151> PRIOR FILING DATE: 1994-02-04
    46 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
    47 <151> PRIOR FILING DATE: 1994-02-04
    49 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
    50 <151> PRIOR FILING DATE: 1993-01-29
    52 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
    53 <151> PRIOR FILING DATE: 1993-02-02
    55 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
    56 <151> PRIOR FILING DATE: 1992-09-11
    58 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
    59 <151> PRIOR FILING DATE: 1992-03-18
    61 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
    62 <151> PRIOR FILING DATE: 1991-03-18
    64 <160> NUMBER OF SEQ ID NOS: 19
    66 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    68 <210> SEQ ID NO: 1
    69 <211> LENGTH: 157
    70 <212> TYPE: PRT
    71 <213> ORGANISM: Homo sapiens
    73 <400> SEQUENCE: 1
    74 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
    75  1               5                  10                  15
    76 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
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delete duplicate entries

RAW SEQUENCE LISTING DATE: 01/11/2002
PATENT APPLICATION: US/09/766,535A TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\01112002\I766535A.raw

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79          35                  40                  45
80 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
81      50                  55                  60
82 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
83  65                  70                  75                  80
84 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
85                  85                  90                  95
86 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
87              100                 105                 110
88 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
89          115                 120                 125
90 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
91      130                 135                 140
92 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
93 145                 150                 155
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 321
98 <212> TYPE: DNA
99 <213> ORGANISM: Mus Balb/c
101 <220> FEATURE:
102 <221> NAME/KEY: CDS
103 <222> LOCATION: (1)...(321)
105 <400> SEQUENCE: 2
106 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga   48
107 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
108  1               5                  10                  15
110 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
111 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
112              20                  25                  30
114 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
115 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
116          35                  40                  45
118 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
119 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
120      50                  55                  60
122 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
123 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
124  65                  70                  75                  80
126 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
127 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
128                  85                  90                  95
130 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa                      321
131 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
132              100                 105
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 107
137 <212> TYPE: PRT
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RAW SEQUENCE LISTING DATE: 01/11/2002
PATENT APPLICATION: US/09/766,535A TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\01112002\I766535A.raw

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138 <213> ORGANISM: Mus Balb/c
140 <400> SEQUENCE: 3
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142  1               5                  10                  15
143 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
144             20                  25                  30
145 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
146         35                  40                  45
147 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
148     50                  55                  60
149 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
150 65                  70                  75                  80
151 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
152                 85                  90                  95
153 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
154             100                 105
157 <210> SEQ ID NO: 4
158 <211> LENGTH: 357
159 <212> TYPE: DNA
160 <213> ORGANISM: Mus Balb/c
162 <220> FEATURE:
163 <221> NAME/KEY: CDS
164 <222> LOCATION: (1)...(357)
166 <400> SEQUENCE: 4
167 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga   48
168 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
169  1               5                  10                  15
171 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac   96
172 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
173             20                  25                  30
175 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt  144
176 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
177         35                  40                  45
179 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag  192
180 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
181     50                  55                  60
183 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct  240
184 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
185  65                  70                  75                  80
188 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat  288
189 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
190                 85                  90                  95
192 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa  336
193 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
194             100                 105                 110
196 ggc acc act ctc aca gtc tcc                                    357
197 Gly Thr Thr Leu Thr Val Ser
198         115
201 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING DATE: 01/11/2002
PATENT APPLICATION: US/09/766,535A TIME: 12:11:06

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\01112002\I766535A.raw

202 <211> LENGTH: 119
203 <212> TYPE: PRT
204 <213> ORGANISM: Mus Balb/c
206 <400> SEQUENCE: 5
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208 1 5 10 15
209 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
210 20 25 30
211 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
212 35 40 45
213 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
214 50 55 60
215 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
216 65 70 75 80
217 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
218 85 90 95
219 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
220 100 105 110
221 Gly Thr Thr Leu Thr Val Ser
222 115
225 <210> SEQ ID NO: 6
226 <211> LENGTH: 8
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 6
231 Gly Thr Leu Val Thr Val Ser Ser
232 1 5
235 <210> SEQ ID NO: 7
236 <211> LENGTH: 7
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 7
241 Gly Thr Lys Leu Glu Ile Lys
242 1 5
245 <210> SEQ ID NO: 8
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides
254 <400> SEQUENCE: 8
255 cctggatacc tgtgaaaaga 20
257 <210> SEQ ID NO: 9
258 <211> LENGTH: 27
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR oligonucleotides
266 <400> SEQUENCE: 9

RAW SEQUENCE LISTING DATE: 01/11/2002
PATENT APPLICATION: US/09/766,535A TIME: 12:11:06

Input Set : A:\0975.1005-010SEQLIST.txt
Output Set: N:\CRF3\01112002\I766535A.raw

267 cctggtacct tagtcaccgt ctcctca 27
269 <210> SEQ ID NO: 10
270 <211> LENGTH: 27
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR oligonucleotides
278 <400> SEQUENCE: 10
279 aatagatatc tccttcaaca cctgcaa 27
281 <210> SEQ ID NO: 11
282 <211> LENGTH: 21
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR oligonucleotides
290 <400> SEQUENCE: 11
291 atcgggacaa agttggaaat a 21
293 <210> SEQ ID NO: 12
294 <211> LENGTH: 16
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR oligonucleotides
302 <400> SEQUENCE: 12
303 ggcggtctgg taccgg 16
305 <210> SEQ ID NO: 13
306 <211> LENGTH: 19
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR oligonucleotides
314 <400> SEQUENCE: 13
315 gtcaacaaca tagtcatca 19
317 <210> SEQ ID NO: 14
318 <211> LENGTH: 23
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: PCR oligonucleotides
326 <400> SEQUENCE: 14
327 cacaggtgtg tccccaagga aaa 23
329 <210> SEQ ID NO: 15
330 <211> LENGTH: 18
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: PCR oligonucleotides
339 <400> SEQUENCE: 15
340 aatctggggt aggcacaa 18

VERIFICATION SUMMARY DATE: 01/11/2002
PATENT APPLICATION: **US/09/766,535A** TIME: 12:11:07

Input Set : **A:\0975.1005-010SEQLIST.txt**
Output Set: **N:\CRF3\01112002\I766535A.raw**

L:15 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:15 M:281 W: Numeric Fields not Ordered, <110> not ordered!.
L:22 M:280 W: Numeric Identifier already exists, <120> found multiple times
L:28 M:270 C: Current Application Number differs, Replaced Current Application Number